

Securing Coding Fundamentals (WSKF601)

Course Duration : 16 Hours

Course code : WSKF601

1. Course Overview

The **Securing Coding Fundamentals (WSKF601)** course introduces developers to secure coding practices used to build safe and reliable applications. This course focuses on identifying common security risks in code and applying best practices to prevent vulnerabilities.

2. What you'll learn?

- Basics of secure coding
- Common application security vulnerabilities
- Secure development lifecycle concepts
- Input validation and error handling
- Secure authentication and authorization

3. Target Audience

- Software developers
- Application engineers
- Web developers
- DevOps professionals
- Security beginners

4. Pre-Requisites

- Basic programming knowledge
- Understanding of web application concepts
- Familiarity with software development basics

5. Course Content (Modules)

Module 1: Introduction to Secure Coding

- Secure coding fundamentals
- Importance of application security

Module 2: Common Security Vulnerabilities

- OWASP Top 10 overview
- Common coding mistakes

Module 3: Secure Input Handling

- Input validation
- Output encoding

Module 4: Authentication and Authorization

- Secure login mechanisms
- Role-based access control

Module 5: Secure Error Handling and Logging

- Preventing information leakage
- Secure logging practices